



Deutscher Akademischer Austauschdienst  
German Academic Exchange Service



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# Doctorate



## IMPRS for Molecular Organ Biology (IMPRS-MOB)

Max Planck Institute for Heart and Lung Research • Bad Nauheim

### Overview

|  |   |
|--|---|
| Degree                                   | PhD/ Dr rer nat / Dr biol hom / Dr sc hum / Dr rer med  |
| Doctoral degree or degree awarded by     | Collaborating universities  |
| In cooperation with                      | <ul style="list-style-type: none"><li>• Justus Liebig University Giessen</li><li>• Goethe University Frankfurt</li><li>• Cardio-Pulmonary Institute</li></ul>   |
| Teaching language                        | <ul style="list-style-type: none"><li>• English</li></ul>   |
| Languages                                | Courses are held in English. The everyday working language is English.  |
| Programme duration                       | 6 semesters   |
| Beginning                                | Winter semester   |
| Application deadline                     | 31 January<br>Please visit our website for detailed information: <a href="https://www.imprs-mob.mpg.de/">https://www.imprs-mob.mpg.de/</a> .  |
| Tuition fees per semester in EUR         | None  |
| Combined Master's degree / PhD programme | No  |
| Joint degree / double degree programme   | No  |
| Description/content                      | <p>IMPRS-MOB offers outstanding training for enthusiastic young researchers along with cutting-edge science in basic molecular mechanisms that underlie development, function and dysfunction of organ systems. Our IMPRS-MOB faculty is based in the following three scientific hotspots: Max Planck Institute for Heart and Lung Research, Justus Liebig University Giessen and Goethe University Frankfurt. Our programme brings together experts from all over the world.</p> <p>Doctoral fellows will participate in a three-year professional structured programme including seminars, methods courses, and retreats, and they will benefit from the scientific offerings of the Max Planck Institute and affiliated universities (CPI, Goethe University Frankfurt and JLU Giessen). An individual thesis advisory committee will provide guidance and support. The mission of our PhD programme is to educate, train and mentor doctoral researchers throughout their PhD and beyond.</p> |

## Course Details

|  |  |
|--|--|
| Course organisation                                  | <p>Doctoral fellows will participate in a three-year professionally structured programme. The graduate programme includes lecture series, scientific seminars and methods courses on state-of-the-art techniques established at the institutes. In addition, career development courses such as scientific writing and career fair opportunities will be offered, as well as German language courses. Annual retreats will help to deepen scientific knowledge and improve the exchange between IMPRS students and invited international keynote speakers. An individual thesis advisory committee will provide personal feedback, guidance and mentorship for every student.</p> <p>IMPRS students also have access to all institute-wide seminars, colloquia and research symposia as well as to those of our cooperating partners in the various networks of excellence in which the IMPRS is embedded.</p> |
| International elements                               | <ul style="list-style-type: none"><li>• International guest lecturers</li><li>• Courses are led with foreign partners</li><li>• Projects with partners in Germany and abroad</li><li>• Language training provided</li></ul>  |
| Course-specific, integrated German language courses  | Yes  |
| Course-specific, integrated English language courses | Yes  |

## Costs / Funding

|  |  |
|--|--|
| Tuition fees per semester in EUR   | None   |
| Semester contribution  | <p>Enrolment fees may apply for students enrolling as PhD students at the contributing universities. Fees (300-350 EUR per semester) include a semester ticket covering public transport throughout large parts of the state of Hesse.</p> |
| Funding opportunities within the university                                    | Yes  |
| Description of the above-mentioned funding opportunities within the university | <p>Travel grants are provided to all of our IMPRS fellows.</p>   |

## Requirements / Registration

|                                 |  |
|---------------------------------|--|
| Academic admission requirements | <p>Master's degree or equivalent in biology, biochemistry, bioinformatics or related disciplines</p> |
| Language requirements           | <p>TOEFL is not mandatory, but it will enhance your application. We also accept IELTS and other</p>  |

English certificates.

**Application deadline**

31 January

Please visit our website for detailed information: <https://www.imprs-mob.mpg.de/>.

**Submit application to**

Applications can only be submitted via our online application database. Detailed information is available on our website: <https://www.imprs-mob.mpg.de/>.

## Services

**Accommodation**

Accommodation can be temporarily provided at the guest house of the Max Planck Institute. After the arrival, we help students to seek private accommodation.

**Structured research and supervision**

Yes

**Research training / discussion**

Yes

**Support for international students and doctoral candidates**

- Specialist counselling
- Buddy programme
- Visa matters

## Our Partners



# Max Planck Institute for Heart and Lung Research

**Max Planck Institute for Heart and Lung Research:**

The four departments at the Max Planck Institute focus on cardiac development and remodelling, pharmacology, alveolar development and remodelling, vascular signalling and developmental genetics. Additional research groups work on developmental cardiogenetics and

signal transduction, the origin of cardiac cell lines, epigenetic regulation during the establishment of respiratory cell fate and lung cancer, and angiogenesis & metabolism. Our scientists have expertise in both basic science and translational research.

#### **Goethe University Frankfurt**

GU Frankfurt is one of the worldwide leading centres for cardiovascular medicine with major expertise in stem cell therapies after myocardial infarction. Additional projects focus on inflammation and pain, and on cancer research.

#### **Justus Liebig University Giessen:**

Scientists at Justus Liebig University place their main focus on the cardiopulmonary system. Their work has gained a worldwide reputation over the past years. Infection and immunity as well as human nutrition are also ongoing project themes.

All three institutions participate in excellence networks such as the Cardio Pulmonary Institute (CPI), which was founded in 2019. Graduate students will have the chance to choose from outstanding research projects for their doctoral theses.



## Location

Bad Nauheim is a town with 30,000 residents, located 35 km north of Frankfurt. It has a long history as a spa focusing on treatments for the cardiovascular system. The town also has a long history as a host for clinical and basic science institutions. For more than 100 years, Bad Nauheim has been a hot spot for cardiovascular and physiological research. The German Society for Cardiology was founded in Bad Nauheim.

Shops, bars, and cultural spots are available in Bad Nauheim and our students enjoy a variety of outdoor activities including biking and hiking. Frankfurt, with its international spirit, large shopping malls and theatres, is only 25 minutes away and can be reached easily by train.

## Contact

### **Max Planck Institute for Heart and Lung Research**

IMPRS-MOB Coordinator

Ludwigstrasse 43  
61231 Bad Nauheim

✉ [info-imprs@mpi-bn.mpg.de](mailto:info-imprs@mpi-bn.mpg.de)  
🌐 Course website: <https://imprs-mob.mpg.de/18547/curriculum>

● [https://twitter.com/IMPRS\\_MOB](https://twitter.com/IMPRS_MOB)

in <https://www.linkedin.com/school/imprs-mob/>

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# International Programmes in Germany - Database

[www.daad.de/international-programmes](http://www.daad.de/international-programmes)  
[www.daad.de/sommerkurse](http://www.daad.de/sommerkurse)

## Editor

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## GATE-Germany

Consortium for International Higher Education Marketing  
[www.gate-germany.de](http://www.gate-germany.de)

## Disclaimer

The data used for this database was collected and analysed in good faith and with due diligence. The DAAD and the Content5 AG accept no liability for the correctness of the data contained in the "International Programmes in Germany" and "Language and Short Courses in Germany".

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